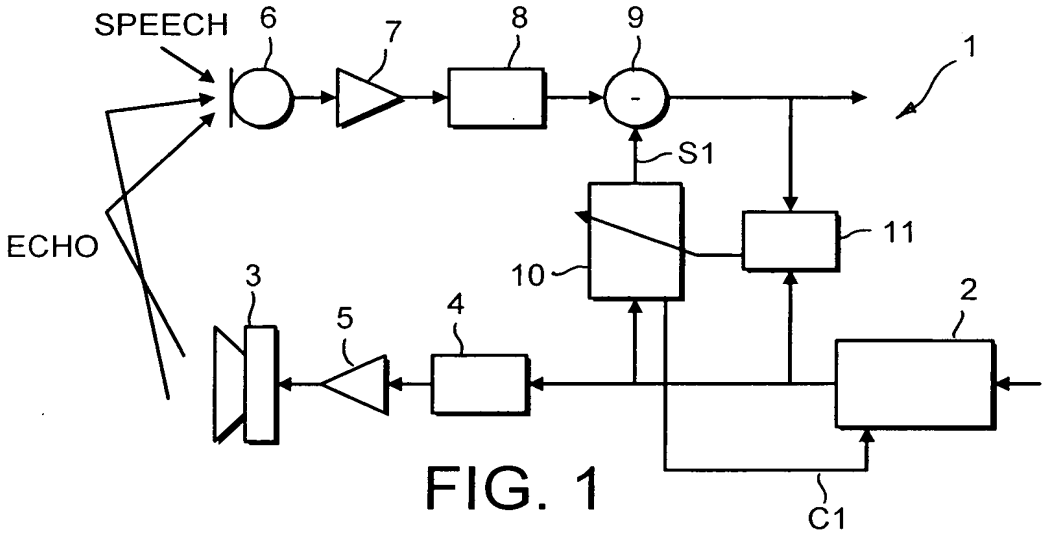
SPEECH
ECHO
6
7
8
9
1
S1
10
11
3
5
4
2
C1

FIG. 1

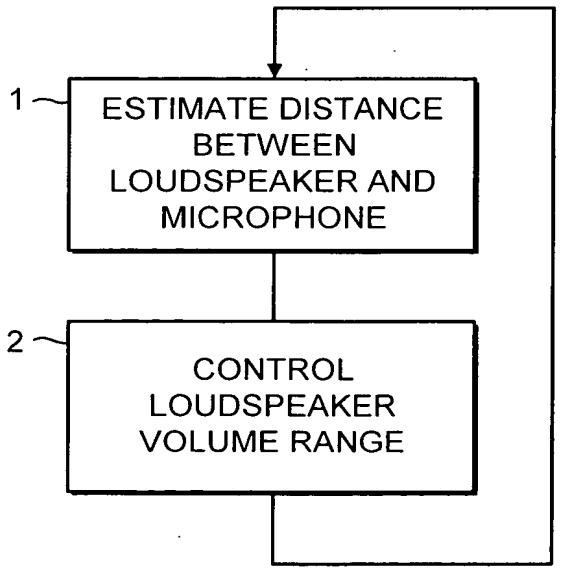
1
ESTIMATE DISTANCE BETWEEN LOUDSPEAKER AND MICROPHONE
2
CONTROL LOUDSPEAKER VOLUME RANGE

FIG. 2

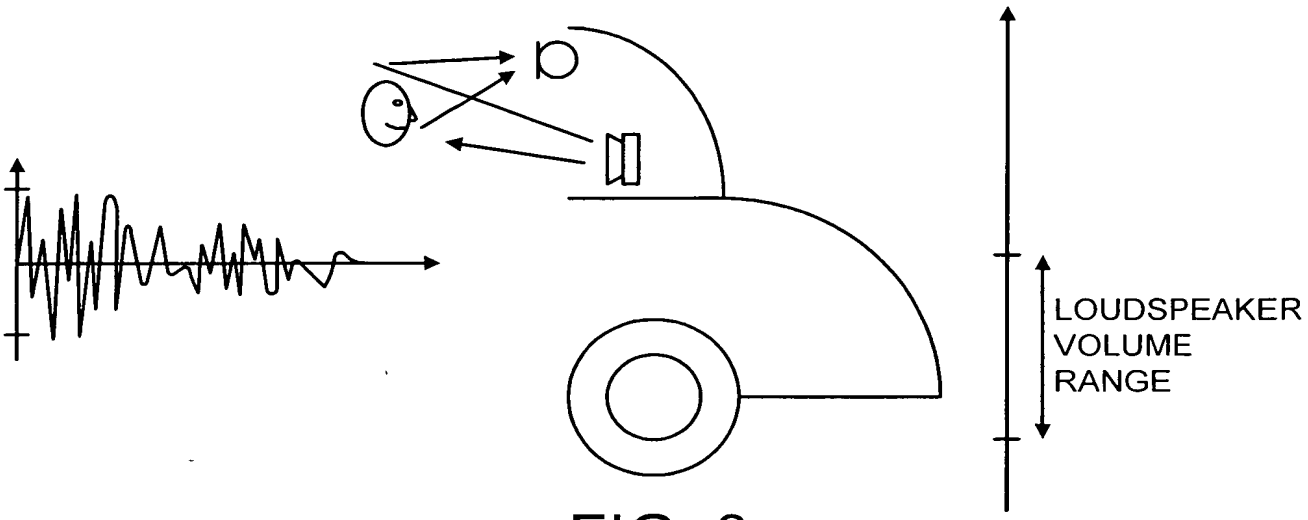

FIG. 3

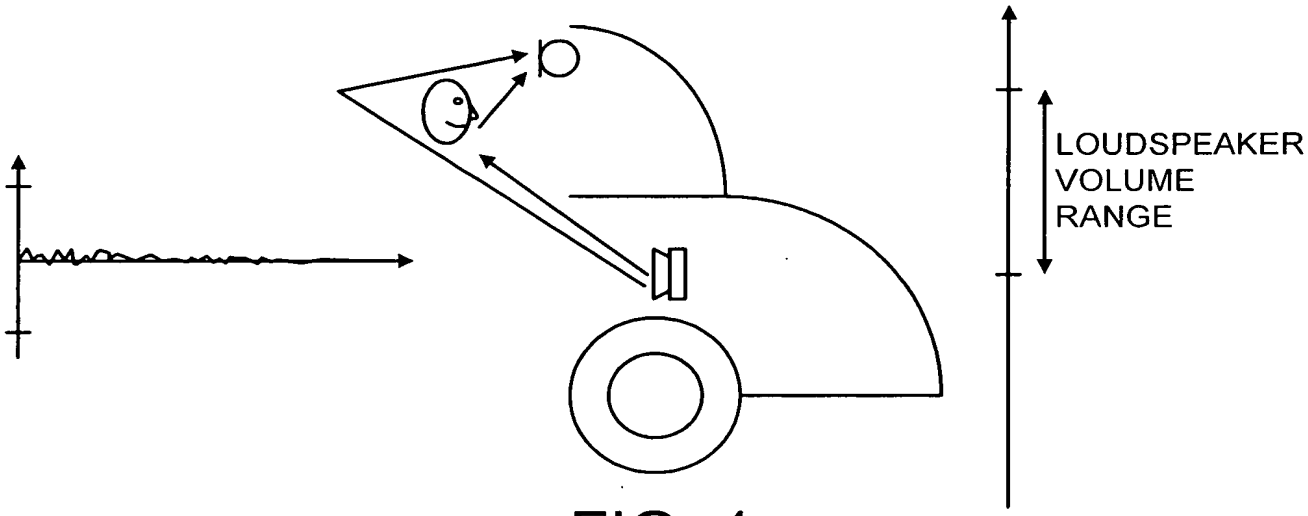

FIG. 4